

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3860	"central shaft".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 09:18
L2	3365	I1 and @ad<="20031002"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 10:08
L3	7	"stir\$ blade".clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:40
L4	7	"stir\$ blade".clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/11 09:19
L5	7	'stir\$ blade'.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/04/11 09:19
L6	0	I5 and I2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/04/11 09:19
L7	102342	blade.clm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/04/11 09:19
L8	87781	I7 and @ad<="20031002"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:19
L9	397	I2 and I8	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:23
L10	3	I9 and "wash\$ liquid"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:25
L11	190	I9 and vertical	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:37
L12	3	I11 and countercurrent	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:26

EAST Search History

L13	190	I9 and vertical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/11 09:37
L14	250	"vertical blade?".clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/11 09:38
L15	2	I14 and I2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/11 09:38
L16	34708	"vertical direction".clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/11 09:38
L17	27901	I16 and @ad<="20031002"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:39
L18	46	I2 and I17	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:39
L19	0	I3 and I17	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:40
L20	358	"stirring blades".clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/11 09:40
L21	3	I2 and I20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/11 10:08
L22	135	(570/101).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/11 10:09
L23	70	I22 and @ad<="20031002"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 10:10
L24	111	(422/31).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/04/11 10:10

EAST Search History

L25	92	I24 and @ad<="20031002"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 10:10
L26	241	"562/410".CCLS.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 10:10
L27	41	L26 and @ad<="20031002"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 10:10
S1	54713	"562".CLAS.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 10:37
S2	245	"562/408".CCLS.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 10:37
S3	59	S2 and @ad<="20031002"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 09:18
S4	241	"562/410".CCLS.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 10:38
S5	237	"562/486".CCLS.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 10:38
S7	136	S5 and @ad<="20031002"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 10:39
S8	36	((HIDEAKI) near2 (FUJITA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 11:02
S9	44	((HIROSHI) near2 (MACHIDA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 11:05
S10	2	((NOBUO) near2 (NAMIKI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 11:08
S11	2	((YOSHIO) near2 (WAGURI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/10 11:08
S12	1	("20060254622").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/10 11:24

10/574273 METHOD FOR PROD HI PURITY TAA - text search

FILE 'HCAPLUS' ENTERED AT 10:15:08 ON 11 APR 2007
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FILE COVERS 1907 - 11 Apr 2007 VOL 146 ISS 16
FILE LAST UPDATED: 10 Apr 2007 (20070410/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s "central shaft"
      399094 "CENTRAL"
              29 "CENTRALS"
      399117 "CENTRAL"
                  ("CENTRAL" OR "CENTRALS")
      41337 "SHAFT"
      8141 "SHAFTS"
      45638 "SHAFT"
                  ("SHAFT" OR "SHAFTS")
L1      541 "CENTRAL SHAFT"
                  ("CENTRAL" (W) "SHAFT")
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=> s "vertical direction"
    164974 "VERTICAL"
        96 "VERTICALS"
    165032 "VERTICAL"
        ("VERTICAL" OR "VERTICALS")
386818 "DIRECTION"
    95708 "DIRECTIONS"
461995 "DIRECTION"
        ("DIRECTION" OR "DIRECTIONS")
L2      8562 "VERTICAL DIRECTION"
        ("VERTICAL" (W) "DIRECTION")
```

=> s 11 and 12
L3 1 L1 AND L2

=> d ibib abs

10/574273 METHOD FOR PROD HI PURITY TAA - text search

L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2006:317117 HCAPLUS
DOCUMENT NUMBER: 144:360260
TITLE: Process for preparing toner
INVENTOR(S): Omatsu, Shinichiro; Arita, Shunji
PATENT ASSIGNEE(S): Kao Corporation, Japan
SOURCE: U.S. Pat. Appl. Publ., 14 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006073404	A1	20060406	US 2005-235169	20050927
JP 2006106226	A	20060420	JP 2004-290840	20041001
JP 2006126803	A	20060518	JP 2005-267255	20050914
CN 1755530	A	20060405	CN 2005-10108734	20050929
DE 102005046765	A1	20060420	DE 2005-102005046765	20050929
PRIORITY APPLN. INFO.:			JP 2004-290840	A 20041001
			JP 2004-290841	A 20041001

AB A process for preparing a toner comprising the steps of (1) pulverizing a pulverized product of a composition comprising a resin binder and a colorant with a jet type pulverizer in the presence of fine inorg. oxide particles, to give an upper limit cut-off classification powder; and (2) classifying the upper limit cut-off classification powder with a classifier, the classifier comprising a classifying rotor comprising a driving shaft arranged in one casing as a central shaft thereof in a vertical direction, and a stationary spiral guiding vane arranged to share the same central shaft as the classifying rotor, wherein the stationary spiral guiding vane is arranged in a classification zone on an outer circumference of the classifying rotor with a given spacing to the outer circumference of the classifying rotor. The toner obtained according to the present invention can be used for, for example, developing a latent image formed in electrophotog., electrostatic recording method, electrostatic printing method, or the like.

=> s "stirring blades"
166174 "STIRRING"
24 "STIRRINGS"
166188 "STIRRING"
("STIRRING" OR "STIRRINGS")
22687 "BLADES"
L4 519 "STIRRING BLADES"
("STIRRING" (W) "BLADES")

=> s l1 and l4
L5 3 L1 AND L4

=> d 15 1-3 ibib abs

L5 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:579665 HCAPLUS
TITLE: Mechanical aeration plant for treating wastewater
INVENTOR(S): Sosna, Zdenek

PATENT ASSIGNEE(S): Sbh Water, Spol. S R.O., Czech Rep.

SOURCE: Czech Rep.

CODEN: CZXXED

DOCUMENT TYPE: Patent

LANGUAGE: Czech

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CZ 295006	B6	20050518	CZ 2004-230	20040212
WO 2005077840	A1	20050825	WO 2005-CZ17	20050211
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: CZ 2004-230 A 20040212
 AB Two wings (2.1, 2.2) having each the form of a half of cylindrical surface are attached to a central shaft (1). Stirring blades (3.1, 3.2) are attached underneath the wings (2.1, 2.2) to the central shaft (1), too. Between the free end of each wing (2.1, 2.2) and the central shaft (1), there are arranged L-shaped reinforcing ribs (4). Free end of the longer section of each reinforcing rib (4) is attached to the central shaft (1). In the corner, between the shorter and longer sections of each reinforcing rib (4), there is fastened the free end of each wing (2.1, 2.2). The face of the reinforcing rib (4) shorter section overlapping the wing (2.1, 2.2) free end (2.1, 2.2) is pointed. During rotation of the central shaft (1) water level drops off within the space extending between said central shaft (1) surface and inner surface of the wings (2.1, 2.2). Atmospheric air is sucked in that space. Due to mixing the air stream, fine air bubbles being thus generated advance in the direction toward an activation tank bottom. The pointed faces of the reinforcing rib shorter sections cut through a fibrous sludge, reduce consistence as well as sludge index thereof, while the stirring blades ensure hydraulic motion.

L5 ANSWER 2 OF 3 HCPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:600626 HCPLUS

TITLE: Batch-cycle type heat-treatment apparatus for treating of material like mash fodder as well as a method using such an apparatus for treatment of material

INVENTOR(S): Aono, Kimi; Sugiyama, Jiro

PATENT ASSIGNEE(S): Dinnissen B.V., Neth.

SOURCE: Eur. Pat. Appl.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1440625	A2	20040728	EP 2004-75200	20040127
EP 1440625	A3	20060524		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2004222674	A	20040812	JP 2003-17731	20030127
JP 3785555	B2	20060614		

PRIORITY APPLN. INFO.: JP 2003-17731 A 20030127

AB A batch-cycle type heat-treatment apparatus for heating mash fodder includes a heat-treatment unit (2) for treatment of material like mash fodder and a dryer cooler (4) for drying and cooling the heated fodder, and a buffer hopper in which the material is temporarily stored, which buffer hopper (3) is located between the heat-treatment unit (2) and the dryer cooler (4). In one embodiment, the dryer cooler (4) is provided with an agitator (45) including a rotational central shaft (451) and stirring blades (452) having air injectors (453) being capable of spraying air so as to dry and cool the fodder by injecting air while the fodder being stirred.

L5 ANSWER 3 OF 3 HCPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1971:13622 HCPLUS

DOCUMENT NUMBER: 74:13622

TITLE: Manufacturing highly viscous, linear condensation polymers by heating the melted starting components in an autoclave

INVENTOR(S): Teplitzky, Gerald; Gabler, Rudolf

PATENT ASSIGNEE(S): W. R. Grace and Co.

SOURCE: Ger., 8 pp.

CODEN: GWXXAW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1495986	A	19700205	DE 1964-G40908	19640623
DE 1495986	B	19701029		

PRIORITY APPLN. INFO.: DE 1964-G40908 A 19640623

AB In the title process, the melt is circulated by a multiarmed stirrer which consists of ≥2 stirrer arms having slanted paddles or blades, and whose arms move in a circle concentric to the autoclave wall. Thus, in an apparatus of the type described above, bisphenol A 2580, Ph₂CO₃ 2350, and LiH 0.4 g were transesterified 30 min at 210-15° while phenol was removed and polycondensed 4 hr at 280°/0.3-0.5 mm, with the addition of 2.5 g Me₂SO₄ to neutralize the catalyst, giving a polycarbonate of relative viscosity 2.54 (1% in 3:2 PhOH-C₂H₂Cl₄, 20°). In contrast, 8-9 hr polycondensation time was required to reach the same viscosity in a conventional stirred autoclave with 2 stirring blades projecting from a central shaft.

=> s fujita,h?/au

L6 4679 FUJITA,H?/AU

=> s machida,h?/au

L7 1061 MACHIDA, H?/AU

=> s 16 and 17

L8 2 L6 AND L7

=> d 18 1-2 ibib abs

L8 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:324122 HCAPLUS
 DOCUMENT NUMBER: 142:374308
 TITLE: Method for producing high-purity terephthalic acid
 INVENTOR(S): Fujita, Hideaki; Machida, Hiroshi;
 Namiki, Nobuo; Waguri, Yoshio
 PATENT ASSIGNEE(S): Mitsubishi Gas Chemical Company, Inc., Japan; Toyo
 Boseki Kabushiki Kaisha; Mizushima Aroma Company, Ltd.
 SOURCE: PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005033058	A1	20050414	WO 2004-JP14772	20040930
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1669343	A1	20060614	EP 2004-773646	20040930
R: DE, FR, GB, IT				
CN 1819985	A	20060816	CN 2004-80019539	20040930
US 2007015935	A1	20070118	US 2006-574273	20060331
PRIORITY APPLN. INFO.:			JP 2003-344002	A 20031002
			WO 2004-JP14772	W 20040930

AB A slurry having AcOH solvent and, dispersed therein, crude terephthalic acid (I) crystals which has been prepared by subjecting a p-alkylbenzene to a liquid phase oxidation in a solvent of AcOH is continuously converted to a water slurry by the mother liquid exchange, and then the resultant water slurry is subjected to a hydrogenation treatment. The above process comprises introducing the AcOH slurry to a tower having a center axis having a plurality of agitating blades at the top thereof, to form a region having a high concentration of I crystals in the tower through the sedimentation of I crystals, supplying the water for substitution to the bottom of the tower in such a manner to form an upward water flow while generating a revolving flow of the high concentration region by the rotation of the agitation blade, to thereby subject I crystals and the upward water flow to a counter-flow contact, and taking out AcOH from a portion being upper than the supply port for the AcOH slurry while withdrawing I crystals having contacted with the upward water flow together with the water for substitution from the tower bottom. This method allows the

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substitution of AcOH solvent of the AcOH slurry with water with a high substitution percentage.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1975:506178 HCAPLUS

DOCUMENT NUMBER: 83:106178

TITLE: Recovery of silver from aqueous solutions

INVENTOR(S): Machida, Hirokichi; Fujita, Hideyuki

PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50018318	A	19750226	JP 1973-69869	19730622

PRIORITY APPLN. INFO.: JP 1973-69869 A 19730622

AB Ag is recovered from aqueous Ag-containing solns. by bringing the solution in contact

with turnings of a light-metal alloy containing Al and Mg. The method is especially

useful in recovering Ag from spent photog. fixing baths. Thus, a snugly fitting platform with a perforated top plate was placed in a 10-l. capacity plastic tank, the tank was charged with turnings of a light metal (Al 94.3, Mg 5.6%) 500 g, then covered with a lid equipped with a liquid inlet pipe. A spent photog. fixing solution (6-7 g Ag/l., pH 4.5) was supplied at a rate of 135 ml/min. Reaction was instantaneous, and Ag accumulated below the porous plate. When all of the light-metal turnings were spent, 1950 g of Ag (>96% Ag) had precipitated out.

=> s namiki,n?/au

L9 181 NAMIKI,N?/AU

=> s 16 and 17 and 19

L10 1 L6 AND L7 AND L9

=> d scan

L10 1 ANSWERS HCAPLUS COPYRIGHT 2007 ACS on STN

IC ICM C07C051-47

ICS C07C051-265; C07C051-487; C07C063-26; B01D012-00

CC 35-2 (Chemistry of Synthetic High Polymers)

TI Method for producing high-purity terephthalic acid

ST acetic acid solvent mother liq sepn terephthalic acid manuf; liq phase oxidn alkylbenzene mother liq acetic acid sepn

IT 64-19-7, Acetic acid, uses

RL: NUU (Other use, unclassified); USES (Uses)

(substitution of acetic acid solvent with water in production of high-purity terephthalic acid)

IT 100-21-0P, Terephthalic acid, preparation

RL: PUR (Purification or recovery); PREP (Preparation)

(substitution of acetic acid solvent with water in production of

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high-purity terephthalic acid)

ALL ANSWERS HAVE BEEN SCANNED

=> s waguri,y?/au
L11 3 WAGURI,Y?/AU

=> s 16 and 17 and 19 and 111
L12 1 L6 AND L7 AND L9 AND L11

=> d scan

L12 1 ANSWERS HCAPLUS COPYRIGHT 2007 ACS on STN
IC ICM C07C051-47
ICS C07C051-265; C07C051-487; C07C063-26; B01D012-00
CC 35-2 (Chemistry of Synthetic High Polymers)
TI Method for producing high-purity terephthalic acid
ST acetic acid solvent mother liq sepn terephthalic acid manuf; liq phase
oxidn alkylbenzene mother liq acetic acid sepn
IT 64-19-7, Acetic acid, uses
RL: NUU (Other use, unclassified); USES (Uses)
(substitution of acetic acid solvent with water in production of
high-purity terephthalic acid)
IT 100-21-0P, Terephthalic acid, preparation
RL: PUR (Purification or recovery); PREP (Preparation)
(substitution of acetic acid solvent with water in production of
high-purity terephthalic acid)

ALL ANSWERS HAVE BEEN SCANNED

=> d 111 1-3 ibib abs

L11 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:324122 HCAPLUS
DOCUMENT NUMBER: 142:374308
TITLE: Method for producing high-purity terephthalic acid
INVENTOR(S): Fujita, Hideaki; Machida, Hiroshi; Namiki, Nobuo;
Waguri, Yoshio
PATENT ASSIGNEE(S): Mitsubishi Gas Chemical Company, Inc., Japan; Toyo
Boseki Kabushiki Kaisha; Mizushima Aroma Company, Ltd.
SOURCE: PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005033058	A1	20050414	WO 2004-JP14772	20040930
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1669343 A1 20060614 EP 2004-773646 20040930

R: DE, FR, GB, IT

CN 1819985 A 20060816 CN 2004-80019539 20040930

US 2007015935 A1 20070118 US 2006-574273 20060331

PRIORITY APPLN. INFO.: JP 2003-344002 A 20031002
WO 2004-JP14772 W 20040930

AB A slurry having AcOH solvent and, dispersed therein, crude terephthalic acid (I) crystals which has been prepared by subjecting a p-alkylbenzene to a liquid phase oxidation in a solvent of AcOH is continuously converted to a water slurry by the mother liquid exchange, and then the resultant water slurry is subjected to a hydrogenation treatment. The above process comprises introducing the AcOH slurry to a tower having a center axis having a plurality of agitating blades at the top thereof, to form a region having a high concentration of I crystals in the tower through the sedimentation of I crystals, supplying the water for substitution to the bottom of the tower in such a manner to form an upward water flow while generating a revolving flow of the high concentration region by the rotation of the agitation blade, to thereby subject I crystals and the upward water flow to a counter-flow contact, and taking out AcOH from a portion being upper than the supply port for the AcOH slurry while withdrawing I crystals having contacted with the upward water flow together with the water for substitution from the tower bottom. This method allows the substitution of AcOH solvent of the AcOH slurry with water with a high substitution percentage.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:373899 HCAPLUS

DOCUMENT NUMBER: 131:183756

TITLE: Abnormal glycosylation of IgG as a clinical parameter in patients with rheumatoid arthritis: its constitutional analysis by HPLC

AUTHOR(S): Mukofujiwara, Yuka; Otsuka, Takanobu; Waguri, Yuko; Matsui, Nobuo; Asai, Kiyofumi; Kato, Taiji; Araki, Hiroko; Tsukamoto, Yoshinori; Takahashi, Noriko

CORPORATE SOURCE: Department of Orthopedic Surgery, Nagoya City University Medical School, Nagoya, 467-8601, Japan

SOURCE: Journal of Clinical Biochemistry and Nutrition (1998), 25(3), 131-142
CODEN: JCBNER; ISSN: 0912-0009

PUBLISHER: Institute of Applied Biochemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

AB To determine the abnormal glycosylation patterns of IgG in patients with rheumatoid arthritis (RA), we analyzed these oligosaccharide profiles using a recently established high-performance liquid chromatog. (HPLC) method. Oligosaccharides of IgG proteins purified from sera of RA patients were labeled with a fluorescent reagent, 2-aminopyridine. The oligosaccharide derivs. were separated into 12 peaks by HPLC, and compared with those of age-matched controls. Serum IgG from patients with RA (RA-IgG) contained a higher content of oligosaccharides with bisecting GlcNAc than normal IgG, which was accompanied by an increase in the

glycosylation of the bisected oligosaccharides. The ratio of the glycosylation of bisected to nonbisected oligosaccharides correlated with RA disease activity as well as with its clin. markers. This ratio reflecting the balance of glycosylation between bisected and nonbisected oligosaccharides may be a useful clin. parameter to monitor RA activity.

REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:165535 HCAPLUS
DOCUMENT NUMBER: 124:228951
TITLE: Gliostatin as a pathological marker of rheumatoid arthritis and its arthritogenic action
AUTHOR(S): Waguri, Yuko
CORPORATE SOURCE: Med. Sch., Nagoya City Univ., Nagoya, 467, Japan
SOURCE: Nagoya-shiritsu Daigaku Igakkai Zasshi (1996), 47(1), 15-29
CODEN: NASDA6; ISSN: 0027-7606
PUBLISHER: Nagoya-shiritsu Daigaku Igakkai
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

AB Serum gliostatin (GLS, platelet derived endothelial cell growth factor) levels reflected activity of rheumatoid arthritis (RA), and synovial levels of GLS correlated with synovial interleukin 1 α . The GLS level in RA synovial fluid was 385.5 ng/mL. The synovial GLS level did not exhibit significant correlation with synovial tumor necrosis factor α (TNF α) and IL-6 levels. The serum GLS level did not show a correlation with synovial cytokine levels. GLS protein production was induced by stimulation of TNF α , IL-1 α , IL-6, IL-8 and GLS itself in RA fibroblast-like synovial cells. GLS appeared after 18 h of treatment, reaching a peak after 36 h. Inflammation was induced by administration of GLS to the joint cavity by dose and administration-period dependent manners.

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(FILE 'HOME' ENTERED AT 10:14:50 ON 11 APR 2007)

FILE 'HCAPLUS' ENTERED AT 10:15:08 ON 11 APR 2007

L1 541 S "CENTRAL SHAFT"
L2 8562 S "VERTICAL DIRECTION"
L3 1 S L1 AND L2
L4 519 S "STIRRING BLADES"
L5 3 S L1 AND L4
L6 4679 S FUJITA,H?/AU
L7 1061 S MACHIDA,H?/AU
L8 2 S L6 AND L7
L9 181 S NAMIKI,N?/AU
L10 1 S L6 AND L7 AND L9
L11 3 S WAGURI,Y?/AU
L12 1 S L6 AND L7 AND L9 AND L11